

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 11/05/2018 11:23 AM
Cytometer Baseline: 10/31/2018 01:04 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 72756 **Expiration Date:** 10/31/2019
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123754	-1	1.32	123783	1.32
Blue	F	SSC	125000	123734	-2	2.77	124481	2.78
Blue	E	FITC	15492	15108	-3	3.30	351	21.18
Blue	D	PE	28736	28435	-2	2.41	629	16.12
Blue	B	PerCP-Cy5-5	41413	41204	-1	4.25	1129	22.75
Blue	A	PE-Cy7	31321	31843	1	6.95	576	47.72
Red	C	APC	41673	41193	-2	2.79	1589	13.14
Red	A	APC-Cy7	29962	29623	-2	2.67	738	14.01
Violet	B	V450	8318	7943	-5	4.27	437	14.67
Violet	A	V500	34199	33141	-4	4.02	797	10.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20397	3.31	606	-7	N/A	N/A	Pass
Blue	F	SSC	56081	2.17	574	6	N/A	N/A	Pass
Blue	E	FITC	59	72.23	556	-5	0.0173	191	Pass
Blue	D	PE	124	57.86	556	-4	0.1368	310	Pass
Blue	B	PerCP-Cy5-5	212	54.01	663	-4	0.0074	28	Pass
Blue	A	PE-Cy7	114	118.61	720	-2	0.0091	26	Pass
Red	C	APC	366	28.76	599	-2	0.0203	201	Pass
Red	A	APC-Cy7	183	30.64	574	-2	0.0045	663	Pass
Violet	B	V450	64	67.63	472	-5	0.0373	1678	Pass
Violet	A	V500	112	34.44	490	-4	0.0203	523	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.62	-32.00	1.14
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	17.03	13.60 - 20.40	N/A	N/A	29.04	29.64	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 14347

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments